

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

Application Number	09/529,873
Filing Date	July 27, 2000
First Named Inventor	HOLMES
Art Unit	1711
Examiner Name	D. Truong
Attorney Docket Number	08513.7023

**U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

Examiner Initials	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

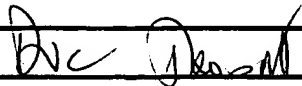
Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <sup>6</sup>
		WO 92/16023	09/17/1992	Heeger		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation <sup>6</sup>
		Antoniadis et al., "Light-Emitting Diodes Based on Poly(2,3-Diphenyl-1,4-phenylene Vinylene)," Polymers For Advanced Technologies, vol. 8, no. 7, July 1997, pp. 392-398, XP000695518.	
		Gettinger et al., "A Photoluminescence Study of Poly(phenylene Vinylene) Derivatives: The Effect of Intrinsic Persistence Length," Journal of Chemical Physics, vol. 101, no. 2, 15 July 1994, pp. 1673-1678, XO002088538.	
		Gold, J.F. "Short lifetimes of light emitting polymers," www.math.utah.edu/~gold/doc/lep.pdf.	
		Hsieh et al. "A new family of highly emissive soluble poly(p-phenylene vinylene derivatives. A step toward fully conjugated blue-emitting poly(p-phenylene vinylenes)." Journal of the American Chemical Society, 120:231-232 (1998).	
		Wan et al., "Halogen Precursor Route To Poly (2,3-Diphenyl-P-Phenylene) Vinylene (DP-PPV): Synthesis, Electroluminescence, And Photoconductivity," Macromolecules, vol. 30, no. 21, 20 October 1997, pp. 6567-6574, XO000720388.	
		Wei et al., Surface Modification And Patterning Of Conjugated Polymers With Near-Field Optical Microscopy," Advanced Materials, vol. 8, no. 7, July 1996, pp. 573-576, XP000598874.	
		Willing et al., "Comparison of poly(p-phenylene vinylene) and poly(phenylene vinylene) precursors," Conference proceedings held August 21, 2000, 220 <sup>th</sup> ACS National Meeting, Washington, D.C.	
		Woo et al., "Optical Spectra And Excitations In Phenylene Vinylene Oligomers," Synthetic Metals, vol. 59, 1993, pp. 13-28, XP002088539.	

Examiner  
Signature

Date  
Considered

Feb 28, 2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

422 R-1 PCT/PTO 26 APR 2000

FORM PTO-1449(Modified)	ATTY. DOCKET NO. C1043/7023	SERIAL NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT Holmes et al.
FILING DATE Herewith		GROUP

## U.S. PATENT DOCUMENTS

Exam Init	Ref Des	Document No.	Date	Name	Class	Sub Class	FILING DATE If Appropriate
<input checked="" type="checkbox"/>		5,558,904	9/24/96	Hsieh et al.	427	66	7/8/94
<input checked="" type="checkbox"/>		5,514,878	5/7/96	Holmes et al.	257	40	3/18/94

## FOREIGN PATENT DOCUMENTS

	Doc. No. (11)	Pub. Date (43)	Country	Class	Sub Class	Translation Yes	No
<input checked="" type="checkbox"/>	EP 0745658 A1	04.12.96	Europe				

## OTHER ART

(Including Author, Title, Date, Pertinent Pages, Publication, Etc.)

☒ Wei et al., "Surface Modification And Patterning Of Conjugated Polymers With Near-Field Optical Microscopy," Advanced Materials, vol. 8, no. 7, July 1996, pp. 573-576, XP000598874

☐ Antoniadis et al., "Light-Emitting Diodes Based On Poly(2,3-Diphenyl-1,4-phenylene Vinylene)," Polymers For Advanced Technologies," vol. 8, no. 7, July 1997, pp. 392-398, XP000695518

☐ Wan et al., "Halogen Precursor Route To Poly (2,3-Diphenyl-P-Phenylene) Vinylene (DP-PPV): Synthesis, Electroluminescence, And Photoconductivity," Macromolecules, vol. 30, no. 21, 20 October 1997, pp. 6567-6574, XP000720388

☐ Gettinger et al., "A Photoluminescence Study of Poly(phenylene Vinylene) Derivatives: The Effect of Intrinsic Persistence Length," Journal of Chemical Physics, vol. 101, no. 2, 15 July 1994, pp. 1673-1678, XP002088538

☒ Woo et al., "Optical Spectra And Excitations In Phenylene Vinylene Oligomers," Synthetic Metals, vol. 59, 1993, pp. 13-28, XP002088539

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

EXAMINER <i>De Drown</i>	DATE CONSIDERED <i>11/2/01 Feb 28, 2006</i>
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